

Regional Transportation Plan Technical Advisory Committee

June 16, 2005

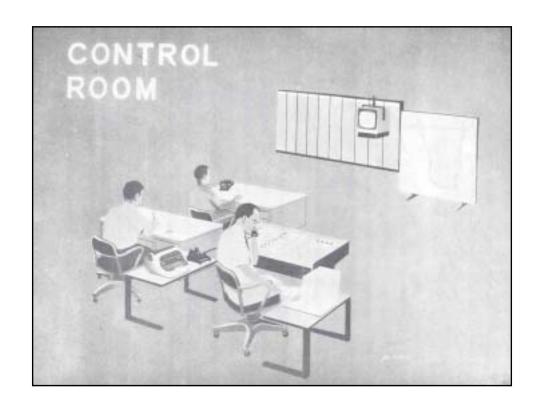


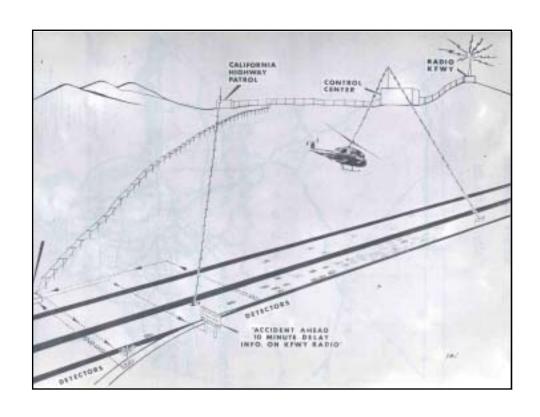






Ramp Metering Davis 1971 Sacramento San Francisco



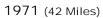






District 7 TMC



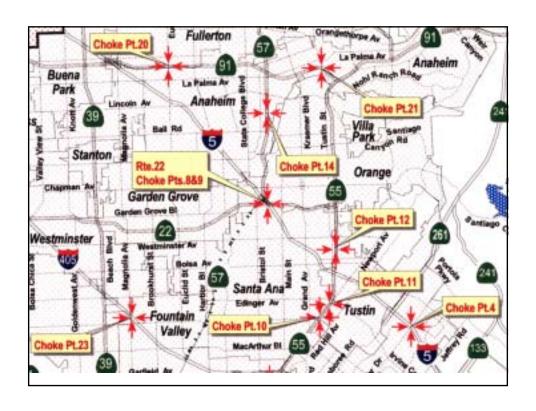




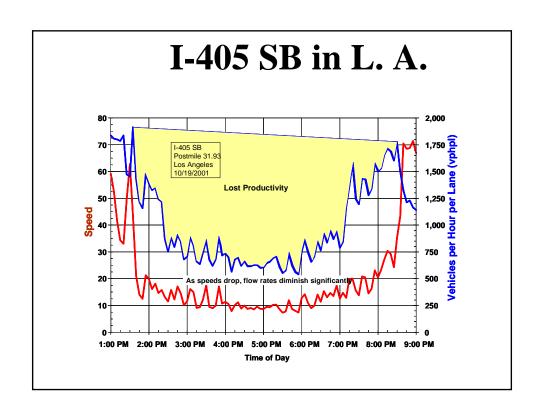
1998 (750 Miles)

Los Angeles

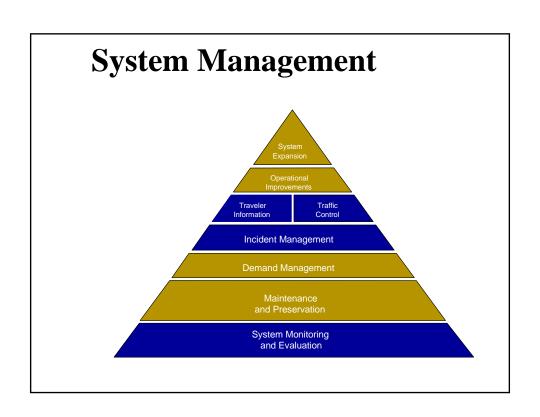


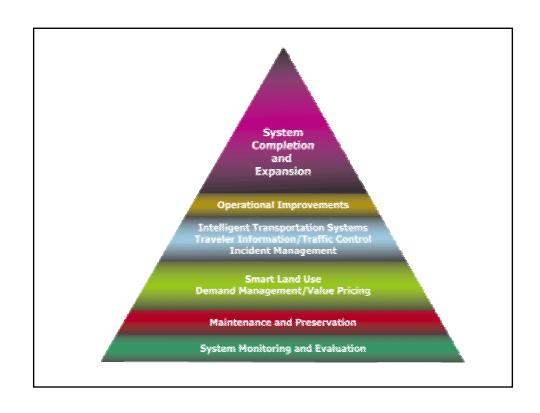














STATEWIDE	EXISTING	BUILDOUT	% COMPLETE
Elements			
Closed Circuit TV Cameras	1260	3220	39%
Fixed CMSs	580	1228	47%
Fixed HAR	121	285	42%
Fiber Optics Communications (Miles)	626.3	2459.1	25%
Metered Ramp Locations	2264	3868	59%
Detection (cabinet)	3720	7673	48%

LA & Vicinity	EXISTING	BUILDOUT	% COMPLETE
Elements			
Closed Circuit TV Cameras	693	1433	48%
Fixed CMSs	215	334	64%
Fixed HAR	25	46	54%
Fiber Optics Communications (Miles)	529.7	1042.8	51%
Metered Ramp Locations	1480	1852	80%
Detection (cabinet)	2060	2764	75%





2005 Ten-Year SHOPP Plan

Eight SHOPP Categories

- Emergency Response
- Collision Reduction
- Mandated
- Bridge Preservation
- Roadway Preservation
- Mobility Improvement
- Roadside Preservation
- Facility Improvement

Emergency Response Needs - \$0.59B



- Goal: Restore roadway to full service within 180 days after major damage.
 - Respond to earthquakes, floods, fires and other emergencies.

Proposed Funding Plan: \$59M / Year

■Goal: Same as needs

Collision Reduction Needs - \$3.13B



 Goal: Reduce the number of Fatal and Injury Collisions by 10% (5,800 F & I Collisions / Year)

Proposed Funding Plan: \$340M / Year

• Goals: Reduce F&I collisions and complete median barrier upgrade in 5 years. (630 F & I Collisions / Year)

Mandated - \$0.95B









rm Water Railroad crossing

Noise for Schools

nools ADA Curb Ramps

• Goal: Comply with State and federal laws and regulations.

Proposed Funding Plan: \$95M / year

• Goal: Comply with State and federal laws and regulations.

Bridge Preservation Needs - \$3.23B



• Goal: Prevent road closures due to bridge failure. Reduce rehabilitation needs from 800 to 400 bridges.

Proposed Funding Plan: \$250M / Year

• Goal: Prevent road closure due to bridge failure. Maintain rehabilitation needs at 800 bridges.

Roadway Preservation Needs - \$14.58B



• Goal: Reduce pavement rehabilitation needs from 24% to 10 % of the system (11,824 to 5,500 lane miles).

Proposed Funding Plan: \$636M/ Year

• Goal: Maintain pavement rehabilitation at current levels (11,824 lane miles).

Mobility Improvement Needs - \$4.66B







Operational Improvement

Changeable Message sign (CMS)

Highway Advisory Radio System (HARS)

• Goal: Reduce trip time and improve trip reliability (reduce delay by 120 million vehicle-hours)

Proposed Funding Plan: \$240M / Year

• Goal: Reduce delay by 7 million vehicle-hours/year.

Roadside Preservation Needs - \$0.93B







Deficient landscape

Safety hazard

Safe worker access

• Goals: Reduce long term maintenance costs. Improve worker and traveler safety. (Reduce deficient landscape from 12,800 to 400 acres)

Proposed Funding Plan: \$36M / Year

• Goals: Reduce long term maintenance costs. Improve worker and traveler safety. (Maintain current level of deficient landscape at 12,800 acres)

Safety Roadside Rest Needs - \$0.52B







Tripping hazards(tort)

ADA non-compliance Cal/OSHA (non-compliance)

Goal: Improve traveler safety and comply with ADA and Cal/OSHA mandates - (rehabilitate 7 existing and construct 4 new / year)

Proposed Funding Plan: \$24M / Year

• Goal: Comply with ADA and Cal/OSHA mandates -(rehabilitate 7 safety roadside rests per year)

Facility Improvement Needs - \$1.13B







• Goal: Address worker safety, Cal-OSHA requirements, and improve operational efficiency.

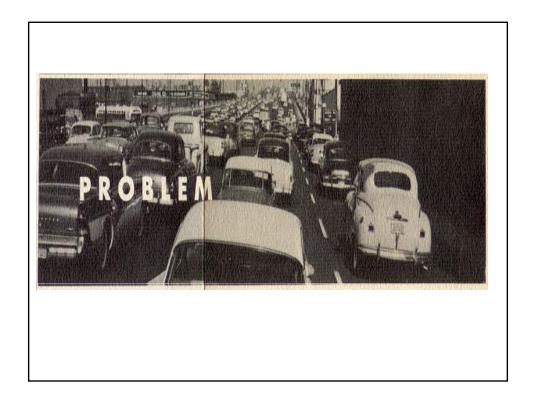
Proposed Funding Plan: \$50M / Year

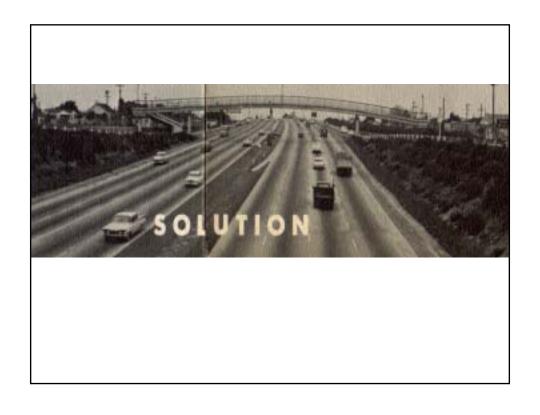
• Goal: Address only worker safety and Cal-OSHA requirements.

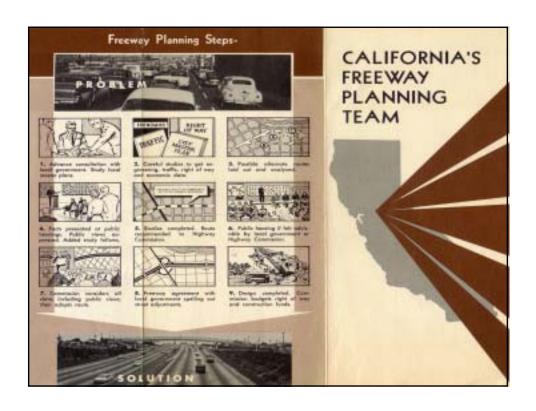


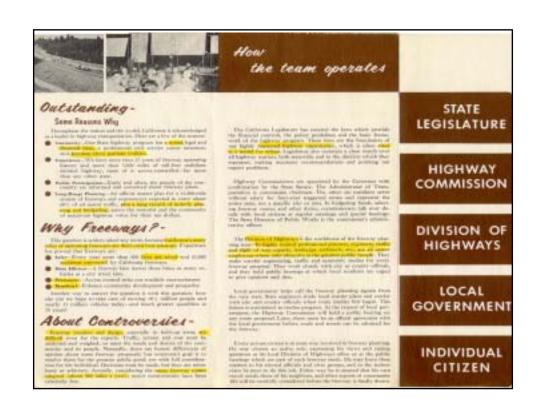












Why Freeways?-

This question is soldon asked any mum, because California

- More Efficient A Treated law three three as many reliefs as a cry store law. · Safer-Every year more than 500 lives are need and \$1,000
- Personne Acress pureou rates our roudside excessachment.
- Teneficial—Enhance community development and prosperity.

Another way to sewer the question is with this question; howthe cast we hope to take case of moving 18% radion people and nearly 11 million vehicles soday—and much greater quantities in

About Controversies-

and dright openially in bull-up area, a official even for the segum. Tradic, termin and our most be analyzed and wrighed; so must the cooks and desires of the commainty and in people. Naturally, there are human differences of opinion about some freeway proposals, but energonals goal is to resolve them for the greatest public good, yet with full consideration for the individual Decisions must be made, but they see never havy or arbitrary. Actually, considering the many framery trans-adopted lubrar 400 leaves a yearl, major constrovenies have been relatively free.

The State Dioresco of Public Works is the commission's admire-

The Union of Highways is the workbosts of the frace of planting man, be lighly maked profusional planters, engineer, traffic and right of very experts, lands upon architects, etc., are all career mapleyon whose only objective in the greatest public baselis. They make careful sugmering, traffic and manners; studies for every freeway proposal. They work closely with city or county officials, and they hold public hurrings at which local recidents are usped to give opinions and dam.

Local government helps call the freeway planning signals from the very start. State orgineers study local matter plans and corder with city and county officials when more studies first bagin. This failure is maintained as studies progress. At the request of local gen-eragent, the Highway Commission will hold a public hearing on any route proposal. Later, there must be an official agreement with the local government before reach and errors can be adjusted for

Every private cities is in some way involved in freeway planning. He may choose as active role, expressing his views and raising questions at his local Division of Highways office or at the public hearings which are part of each foreway study. He may leave these numers to his elected officials and civic groups, and to the techniclass he pays to de this jula. Either way he is assert that his own travel needs, door of his neighbors, and other seports of community life will be carefully considered before the freeway is finally drawn.

